

**Work Order ID 93061**

November 14, 2012 8:55:10 AM

**\*93061\***

Page 1

Item ID: D4655-1

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Speaker

Start Date: 11/14/12 Start Qty: 14.00

**\*14\***

Cust Item ID:

Required Date: 11/16/12 Req'd Qty: 14.00

**\*14\***

Customer:

Reference:

Approvals:

Process Plan: CLDate: 12/11/14

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up, Run Hours	ool ID	ool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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**Draw Nbr****Revision Nbr**

D4655

A

100

0.00

**\*100\***

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 18402

Purchase part #: 4C5Z8

Supplier: QUAM

Material release note is required

CL 12/11/14 (14)

110

0.00

**\*110\***

Receive &amp; Inspect for Damage &amp; Mat'l Certs

Packaging

Memo

0.00

Packaging

Ensure material release note is attached

12/11/14 (14)

120

0.00

**\*120\***

QC6- Inspect dimensions to drawing

QC

Memo

0.00

Quality Control

DAS  
16  
12/12/07

(14)

Pto →

NCR: ☒ Yes ☐ No

## WORK ORDER NON-CONFORMANCE / UPDATE

DQA: AW Date: 12/12/13QA Closed: CK Date: 11

Work Order: <u>93061</u>	<b>DISPOSITION</b> Rework <input checked="" type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>			
Part No. <u>D4653-7</u>		Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input checked="" type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>
NCR No. <u>12-21310</u>					

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data	12/11/14	# 100	x2	Found at inspection during Shipping that Qty 2 Speakers were Damaged. He Tabs to bolt to were Bend and dis forms	DAS 16 12/12/04 AS7042	unable. Return For credit or new Replacement parts Sole is Print.	SR 12/12/04	DAS 16 12/12/04	DAS 16 12/12/04
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

## FAULT CATEGORY

Landing Gear	General
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio

<input type="checkbox"/> Grain	<input type="checkbox"/> Ovalized	<input type="checkbox"/> Pressure/Forced
<input type="checkbox"/> Hardware	<input type="checkbox"/> Over/Under tolerance	<input type="checkbox"/> Temperature/Cure
<input type="checkbox"/> Inspection Incomplete	<input type="checkbox"/> Part Incorrect	<input type="checkbox"/> Weld
<input type="checkbox"/> Instructions Incomplete/Unclear	<input type="checkbox"/> Part Lost/Missing	<input type="checkbox"/> Wrong Stock Pulled
<input type="checkbox"/> Maintenance	<input type="checkbox"/> Part Moved	
<input type="checkbox"/> Mislabeled	<input type="checkbox"/> Positioned Wrong	
<input type="checkbox"/> Misread	<input type="checkbox"/> Power Loss/Surge	<input checked="" type="checkbox"/> Other
<input type="checkbox"/> Offset	<u>PARTS were Damaged during shipping</u>	
<input type="checkbox"/> Out of Calibration		
<input type="checkbox"/> Out of Sequence		
<input type="checkbox"/> Outside Dimensions		

# Work Order ID 93061

\*93061\*

Page 2

November 14, 2012 8:55:10 AM

Item ID: D4655-1

Accept

\*N900040100\*

Setup Start

\*NS1\*

Revision ID:

Stop

\*NS2\*

Item Name: Speaker

Start Date: 11/14/12 Start Qty: 14.00

\*14\*

Cust Item ID:

Required Date: 11/16/12 Req'd Qty: 14.00

\*14\*

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

\*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop

\*NR2\*

Sequence ID/

Work Center ID

Description

Set Up

Run Hours

Tooling

Plat

Code

Reject

Qty.

Reject

Qty.

Number

Stamp

130

Identify as per dwg & Stock Location: S113

0.00

\*130\*

Packaging

Memo

0.00

Packaging

14X

S  
12-12-10

140

QC21- Final Inspection - Work Order Release

0.00

\*140\*

QC

Memo

0.00

Quality Control

12/12/10 J

12-12-10

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
<b>Root Cause</b>	<b>Date</b>	<b>Step</b>	<b>Qty</b>	<b>Description of work order update or Non-conformance</b>	<b>Initial Chief Eng</b>	<b>Action Description</b>	<b>Sign &amp; Date</b>	<b>Verification</b>	<b>QC Inspector</b>		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
<b>FAULT CATEGORY</b>											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other		

# Picklist Print

November 14, 2012 8:55:10 AM

Page 1

Work Order ID: 93061

Parent Item: D4655-1

Parent Item Name: Speaker

Start Date: 11/14/12

Required Date: 11/16/12

Start Qty: 14.00

Required Qty: 14.00

Comments: IPP REV:A NEW ISSUE 12-10-26 JLM VERIOFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
4C5Z8 Speaker		Purchased	No			110	Each	0.0000	1	14		4/24/12 (14)	

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

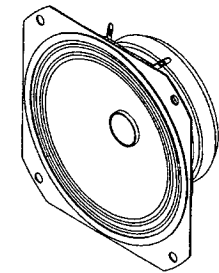
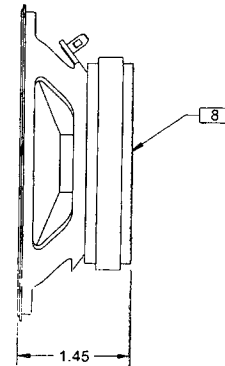
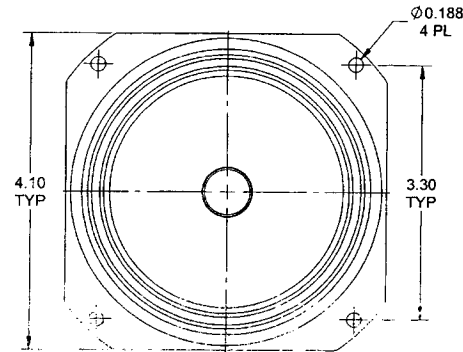
DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
<b>Root Cause</b>	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

# SPECIFICATION CONTROL DRAWING



RELEASED  
2012-11-05

DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURERS PART NUMBER	POSSIBLE VENDOR	POSSIBLE VENDOR PART NUMBER	FREQUENCY RESPONSE	POWER	IMPEDANCE	WEIGHT (lbs)
D4655-1	SPEAKER	QUAM	4C5Z8	NEWARK	33M7709	120 Hz TO 15 kHz	10 WATTS	8 OHMS	0.8

## D4655-X SPEAKER

### NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: PER TABLE
- 8) STUDS IN THIS AREA TO BE CUT OFF. DO NOT GRIND.

Q121114  
W10.93061

A	NEW ISSUE	RF	12.07.25
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF	DRAWING NO.	REV. A
CHECKED	RF	D4655	SHEET 1 OF 2
MFG. APPR.	RF	TITLE	SCALE
APPROVED	RF	SPEAKER	NTS
DE APPR.	RF	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	
DATE	12.07.25		



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO18402**

Purchase Order Date 11/14/12

PO Print Date 11/14/12

Page Number 1 of 2

**Order From :**

VC-NEW002

NEWARK  
C/O T27537 P.O.BOX 4275  
POSTAL STATION "A"  
TORONTO, ONTARIO M5W 5V8  
CANADA

**Contact Name**

**Vendor Phone** 800-463-9275 Ext.Sales

**Vendor Fax** 888-551-4801

**Vendor Account Nbr**

**Buyer**

Chantal Lavoie

**Requisition Nbr**

**Tax Resale Nbr** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

**Ship To :**

DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	BT1.5I-M	Tie Wrap	11/21/12 Yes	1,000.00 Each	Yours ppd	\$0.0815	\$81.54 ✓
2	BT3LH-L	Tie Wrap	12/11/12 Yes	50.00 Each	Yours ppd	\$0.9026	\$45.13 ✓
3	PLT1.5M-C	Tie Wrap	11/21/12 Yes	200.00 Each	Yours ppd	\$0.1982	\$39.64 ✓
4	MPNY-750S-9-C	Mounting Pad	12/21/12 Yes	100.00 Each	Yours ppd	\$0.7540	\$75.40 ✓
5	4C5Z8	Speaker	11/21/12 Yes	14.00 Each	Yours ppd	\$20.3700	\$285.18 ✓

**CERTIFICATE OF CONFORMITY  
REQ'D UPON DELIVERY**

Change Nbr: 4

Change Date: 11/14/12

No substitution or deviation without  
consent.

Certificate of Conformity or Material  
Certification required - YES NO





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO18402**

Purchase Order Date 11/14/12

PO Print Date 11/14/12

Page Number 2 of 2

Order From :

VC-NEW002

NEWARK  
C/O T27537 P.O.BOX 4275  
POSTAL STATION "A"  
TORONTO, ONTARIO M5W 5V8  
CANADA

Contact Name

Vendor Phone 800-463-9275 Ext.Sales

Vendor Fax 888-551-4801

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst: AS PER DWG D4655 REV. A  
B93061

PO Total:

\$526.89

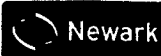
CERTIFICATE OF CONFORMITY  
REQ'D UPON DELIVERY

Change Nbr: 4

Change Date: 11/14/12

No substitution or deviation without  
consent.

Certificate of Conformity or Material  
Certification required - YES NO



element14

# Master Packing List

Orders: 1-800-463-9275  
Cust Service: 1-866-752-9279  
[www.element14.com](http://www.element14.com)  
[www.newark.com](http://www.newark.com)

Customer PO: PO18402



Canada

Rel.:

Order #: 549144  
Number of Cartons: 1  
Number of Lines: 3  
Ship Date: 11/14/2012  
Bill-To Acct: V1 659740001  
Ship-To Acct:

Ship To:  
PO18402  
DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON K6A 1K7 Canada

Sold To:  
CHANTAL LAVOIE  
16136325200  
clavoie@dartaero.com

Bill To:  
Dart Aerospace Ltd  
Accounts Payable  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7 CA

Ord Line	Cust PO Line	SKU #	UOM	Order Qty	Shipped Qty	Previous Shipped Qty	Back Ordered Qty	RoHS
1	1	96F9937	PK/1000	1	1	0	0	Yes
Mfr part# BT1.5I-M Customers part# CABLE TIES: Cable Tie Length:155mm; Cable Tie Width:3.6mm; Cable Tie Material:Nylon 6.6; Tensile Strength N/m :178N/m ; Tensile Strength Pounds:40lb; Cable Bundle Diameter Min:0.8mm; Cable Bundle Diameter Max:33mm Mfr Name PANDUIT Country of Origin TW Customer Part# Shipped Qty								
3	3	78F580	PK/100	2	2	0	0	Yes
Mfr part# PLT1.5M-C Customers part# CABLE TIES: Cable Tie Length:142mm; Cable Tie Width:2.5mm; Cable Tie Material:Nylon 6.6; Tensile Strength N/m :80N/m ; Tensile Strength Pounds:18lb; Cable Bundle Diameter Min:1.5mm; Cable Bundle Diameter Max:32mm Mfr Name PANDUIT Country of Origin US Customer Part# Shipped Qty								
5	5	33M7709	EA/1	14	14	0	0	Yes
Mfr part# 4C5Z8 Customers part# Loudspeaker Mfr Name QUAM NICHOLS Country of Origin US Customer Part# Shipped Qty								

Yes = RoHS Compliant. YesX = Compliant per-exemption. See our website [www.newark.com](http://www.newark.com) for definition of RoHS compliance. Newark is a distributor of electronic products manufactured by others. The Country of Origin data on the packing list has been provided by the manufacturer and Newark is not responsible for the accuracy

Certificate of Conformance on Reverse Side

Order Line Cust PO Line

1	1	MFR# BT1.5I-M	Part:
CABLE TIES: Cable Tie Length:155mm; Cable Tie Width:3.6mm; Cable Tie Material:Nylon 6.6; Tensile Strength N/m :178N/m ; Tensile Strength Pounds:40lb; Cable Bundle Diameter Min:0.8mm; Cable Bundle Diameter Max:33mm			
RoHS: Yes			
SKU: 96F9937			
3	3	MFR# PLT1.5M-C	Part:
CABLE TIES: Cable Tie Length:142mm; Cable Tie Width:2.5mm; Cable Tie Material:Nylon 6.6; Tensile Strength N/m :80N/m ; Tensile Strength Pounds:18lb; Cable Bundle Diameter Min:1.5mm; Cable Bundle Diameter Max:32mm			
RoHS: Yes			
SKU: 78F580			
5	5	MFR# 4C5Z8	Part:
Loudspeaker			
RoHS: Yes			
SKU: 33M7709			

To insure proper credit to your account, please contact Customer Service at 866-752-9279 for issuance of RMA number



element14

Order #: 549144

Date shipped:

RMA #:

Reason for Return

ETZ 003